

Title: A High Speed Memory Interface System and Method

Docket #: CYPR-CD01080

Inventor(s): Gabriel Li

Serial #: 10/032,248

Filing Date: 12/21/01

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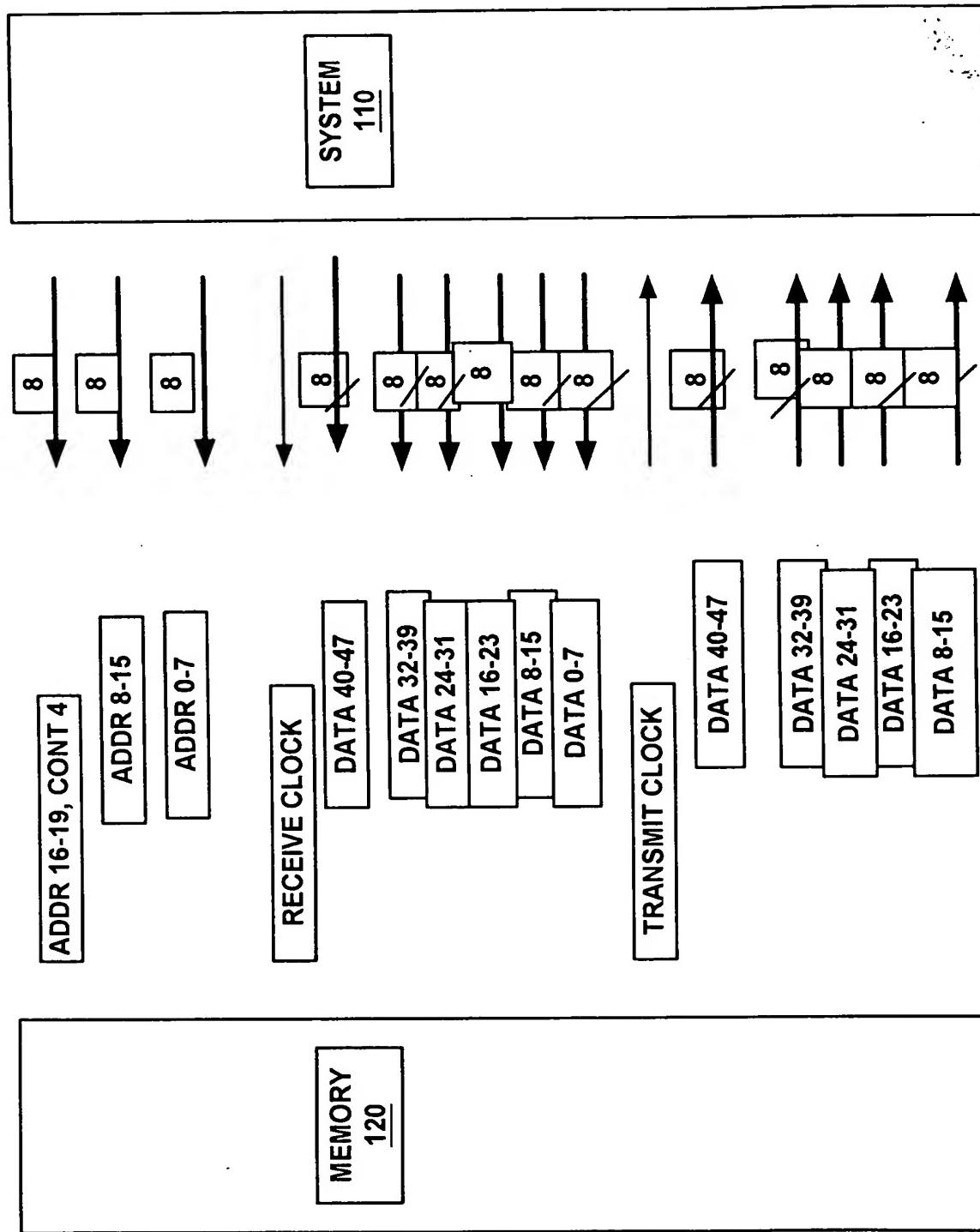
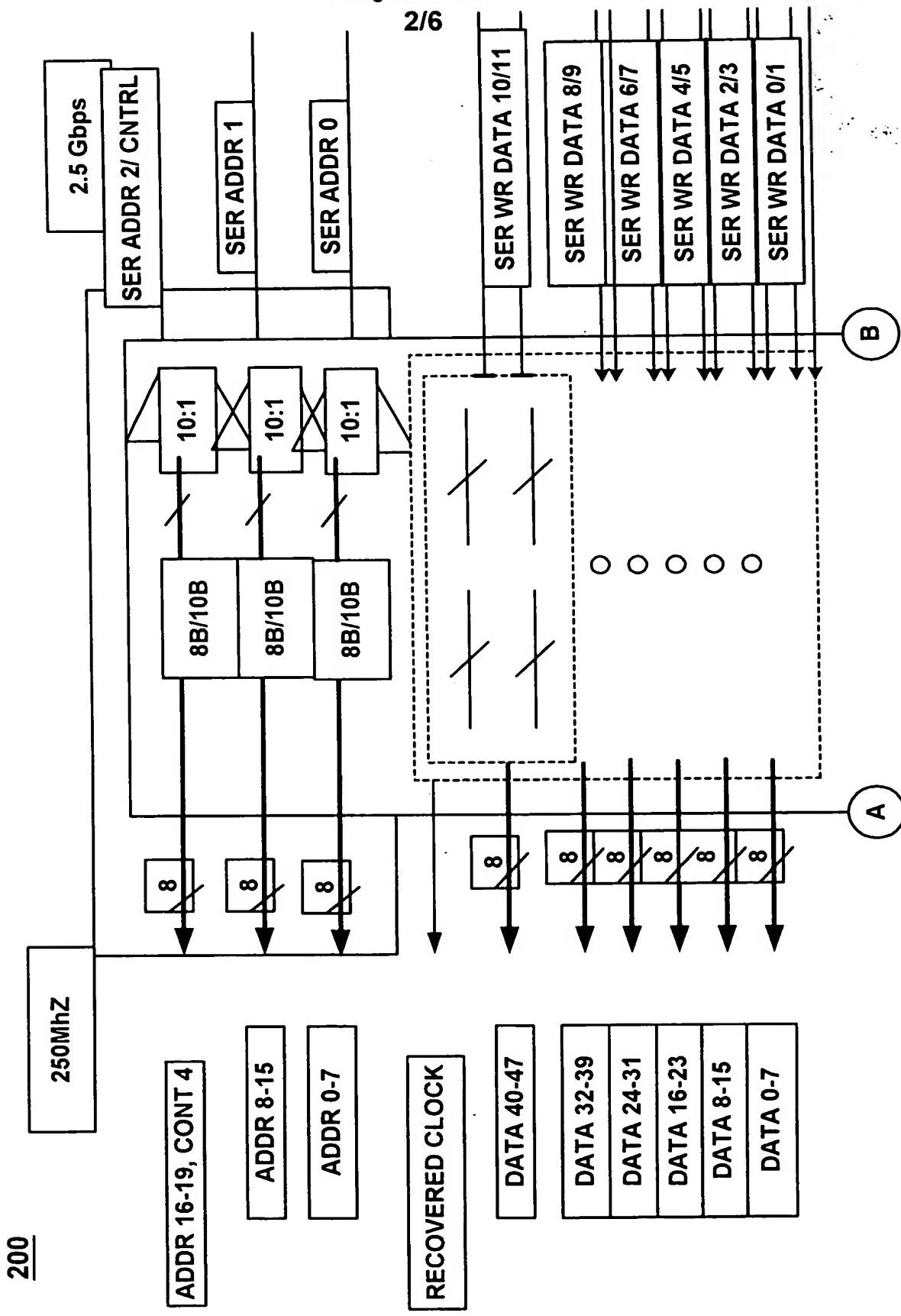


FIGURE 1

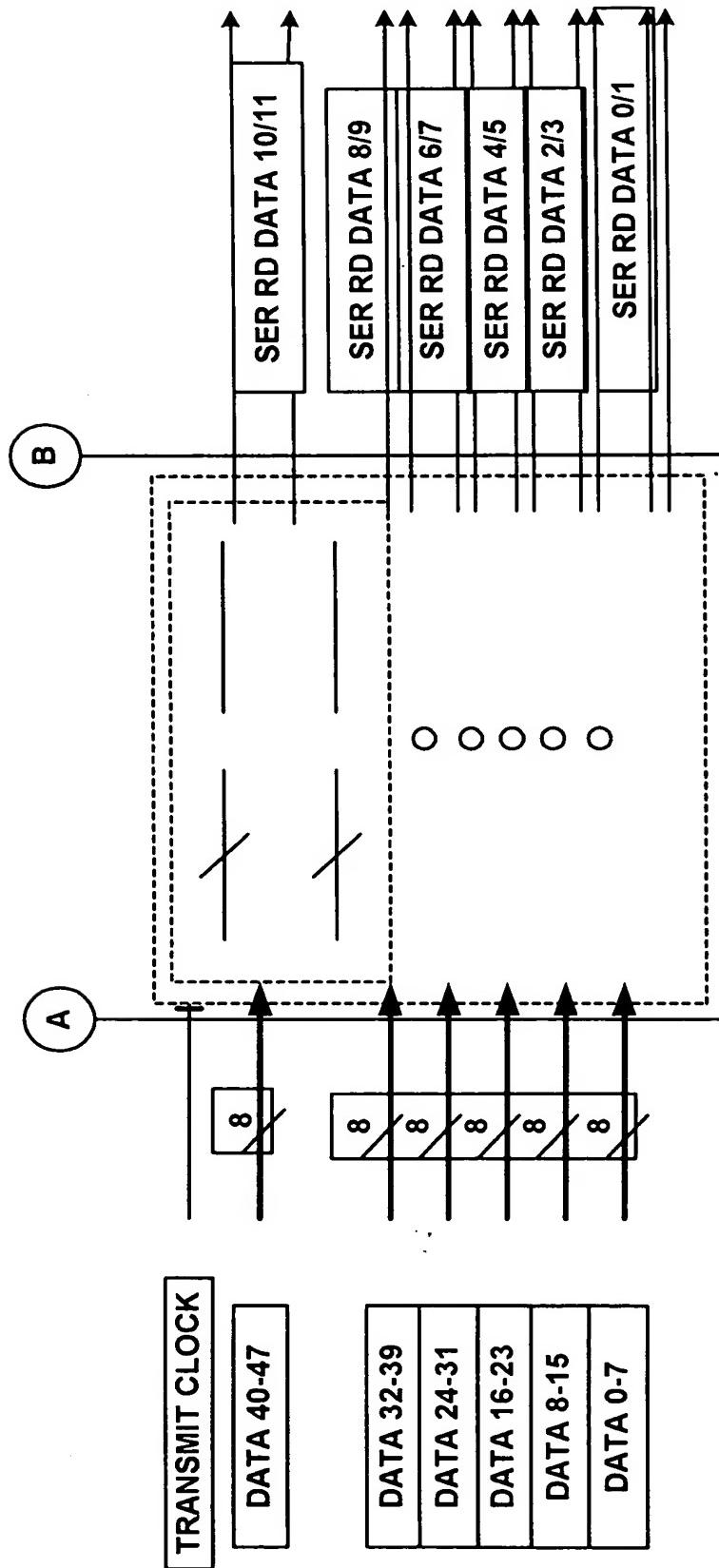
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**FIGURE 2**

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200 (CONT.)

FIGURE 2 (CONT.)

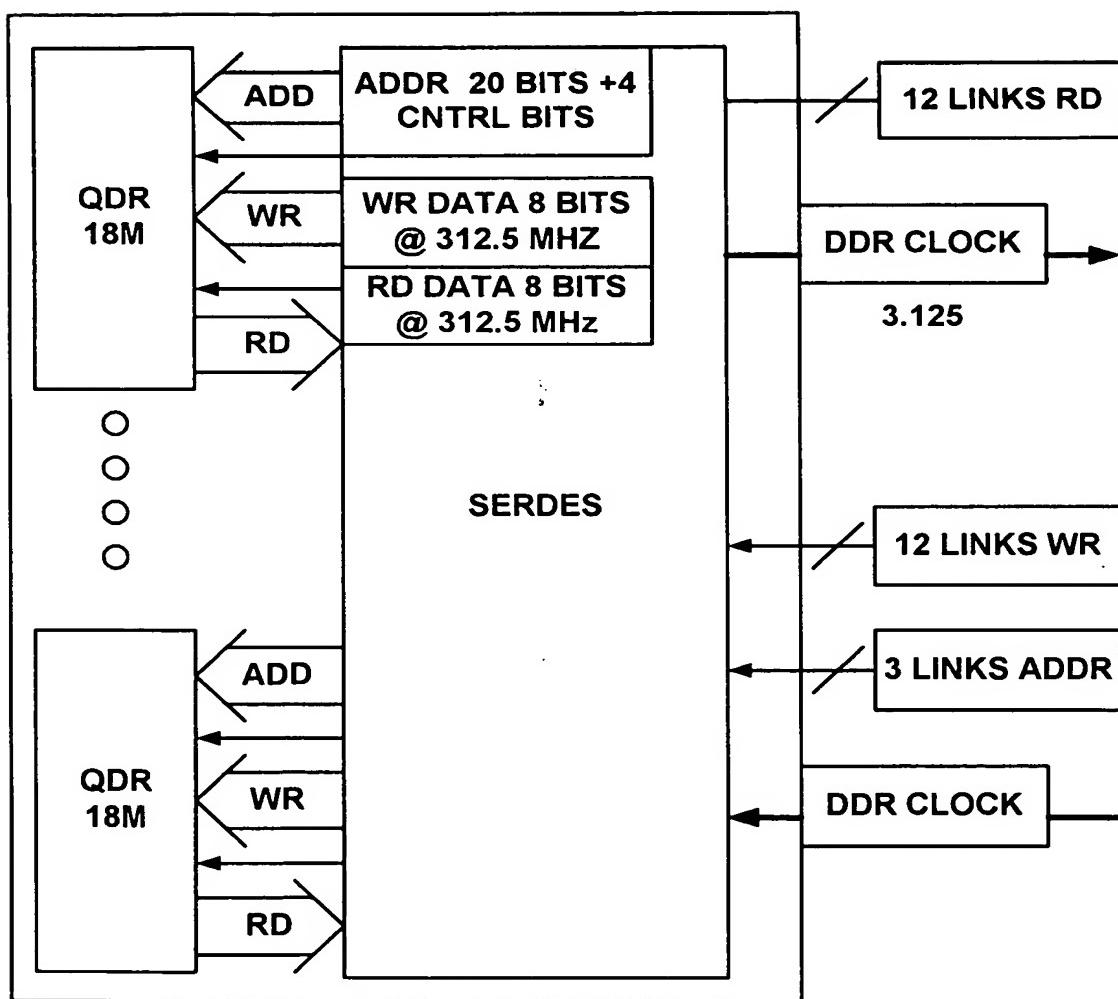


FIGURE 3

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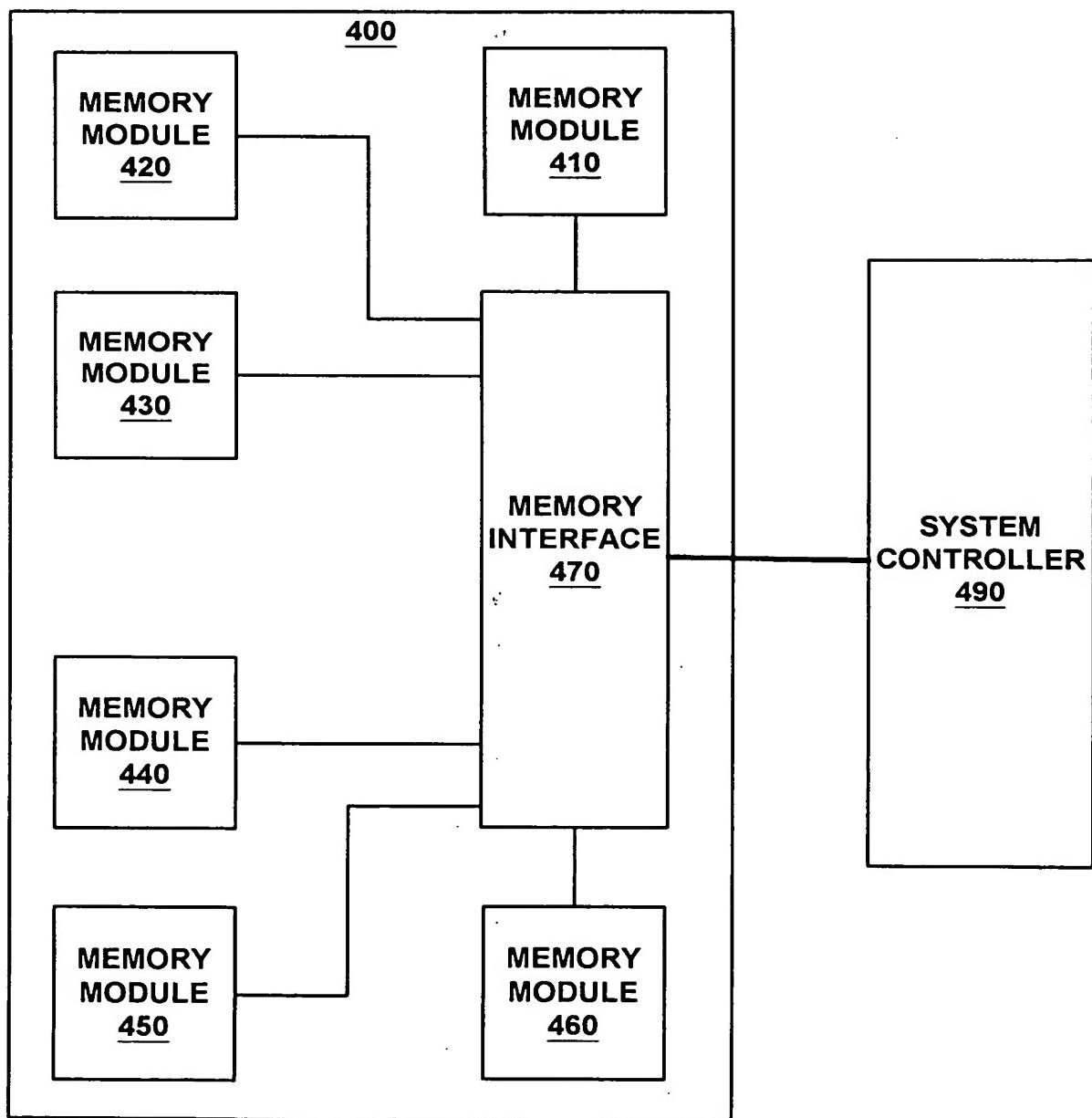


FIGURE 4

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**ENGAGING IN SERIAL COMMUNICATIONS AT A FIRST RATE
WITH A SYSTEM MEMORY CONTROLLER.**

510

**EXECUTING PARALLEL COMMUNICATIONS WITH A MEMORY
ARRAY AT A SECOND RATE.**

520

**CONFIGURING THE INFORMATION IN PROPER ALIGNMENT
FOR COMMUNICATION BETWEEN SERIAL SYSTEM
CONTROLLER SIGNALS AND PARALLEL MEMORY ARRAY
SIGNALS.**

530

FIGURE 5

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